



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

92513-10

Date of Issuance:

2/15/23

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

BioSuite QD50xWM

Name and Address of Registrant (include ZIP Code):

Michael Gurecki
BioSuite LLC
Electronic Transmittal: [Michael.Gurecki@biosuitegroup.com]

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Tara Flint Silva, Acting Product Manager 31
RMBI, Antimicrobials Division

Date:

2/15/23

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:

- a. Didecyl Dimethyl Ammonium Chloride GDCI-069105-330882

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 92513-10."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 02/09/2023
- Alternate CSF 1 dated 02/09/2023
- Alternate CSF 2 dated 02/09/2023

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Action Case No. 00397638

If you have any questions, please contact Karen M. Leavy by phone at (202)-566-0668, or via email at Leavy.Karen@epa.gov.

Enclosure: Stamped label

BioSuite QD50xWM

ACCEPTED

02/15/2023

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 92513-10

ACTIVE INGREDIENTS

Didecyl dimethyl ammonium chloride.....50.0%

INERT INGREDIENTS.....50.0%

TOTAL100.0%

This product contains methanol.



**KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

SEE {{SIDE}} {{BACK}} PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

{Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.}

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER.

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Methanol may cause blindness. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), chemical-resistant gloves (such as nitrile or butyl), apron and / or clothing. May be fatal if swallowed, inhaled or absorbed through the skin. Do not inhale vapor or spray mist. Wear a minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination N, R, or P filter; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved powered air purifying respirator with OV cartridges and combination HE filters. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

FIRST AID

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378. You may also contact the poison control center at 1-800-222-1222 for emergency medical treatment information.

You may contact (*insert emergency telephone number*) for chemical, medical, or environmental emergencies.

EPA REG. NO. 92513-X
EPA EST. NO. XXXXX-XX-XX

{logo}

BioSuite, LLC
12625 W. Airport Blvd
Sugar Land, TX 77478

Net Contents:
{[Lot or Batch] Number: XXXXXXX}

{MARKETING CLAIMS}

This product is for use in (*insert location*)

For use {in} {on} (*insert location*).

{LOCATIONS}

- Drilling, completion, fracturing and workover fluids systems
- Gas/oil recovery injection water systems
- Gas production and transmission pipelines and systems
- Gas storage wells and systems
- Oil field water flood/salt water disposal systems
- Oil field injection and waste water
- Packer fluid systems
- Pipeline pigging and scraping operations

{WATER TREATMENT MARKETING CLAIMS}

- Algaecide
- A water treatment microbiocide for oil field flood/salt water disposal systems and fracturing fluids.
- A microbiocide for use in controlling sulfate-reducing bacteria and slime forming bacteria in oil well drilling, oil field processing applications oil field water systems, oil and gas productions and transmission pipelines and systems, and gas storage fields and equipment; such as steam-injection water holding tanks, flood water, injection water, holding pond water, disposal-well water, water holding tanks, field storage tanks and related refinery and oil field closed systems, industrial recirculating water handling systems.
- Effective against the growth of algae.
- For control of algae, algal, fungal and bacterial slimes in oil field water flood systems/salt water disposal systems.
- Has been designed specifically for control of sulfate-reducing bacteria that contribute to souring, the production of sulfide, and abiotic corrosion in water cooling systems, oil field systems, gas production and transmission pipelines and systems.
- Kills and prevents algae.
- The residual effectiveness of this algaecide tends to stabilize the total chemical treatment system.
- To control algae and bacterial slimes, use this water treatment microbiocide as directed.

GENERAL MARKETING CLAIMS

- Efficient and non-staining when used as directed.
- Is non-staining.
- No Bleach
- Will not damage tile, concrete, metal or plastics.
- Winterized

PACKAGING CLAIMS

- Concentrate{d}.
- 50% Concentration
- Easy to use.
- Economy size. (**Note to reviewer:** To be used on applicable container)
- Is an economical concentrate.
- Makes (*insert value*) [{Gal.} {Quarts} {Containers}]
- This [{container} {bottle}] is made of {at least} (x) % post-consumer recycled plastic.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
{Please read entire label and use strictly in accordance with precautionary statements and directions.}

WATER TREATMENT

Do not use water containing residues from use of this product to irrigate crops for food or feed. Do not use this product to treat water in potable water systems.

Oil Field Water Flood or Salt Water Disposal Systems and Fracturing Fluids: Do not apply in Marine or Estuarine Oil Fields!

For the control of slime forming and sulfate reducing bacteria in oil field water flood or salt water disposal systems, add 5-10 ppm [active] product [1.5 - 3 gallons per 3000 barrels of water] continuously. Levels for effective control will vary depending on conditions at the site.

Product addition must be made with a metering pump. This product must be applied where it will dispense most rapidly and uniformly to the desired area of treatment. Product must be slug fed then fed continuously or on an intermittent basis depending on the degree of system fouling.

Heavily fouled system must be precleaned.

Slug: Apply 1.5 - 6 gallons per 3000 barrels [5-20 ppm ai] of water for 4-8 hours per day until desired level of control is achieved. To maintain the system in an acceptable manner, utilize a continuous treatment with the microbiocide or apply intermittent doses.

Intermittent Feed: The frequency of intermittent doses will vary with individual systems. Apply 1.5 - 6 gallons per 3000 barrels [5-20 ppm ai] of water for 4-8 hours per day, one to four times a week as needed to maintain control.

Continuous Feed: Fouled systems must be slug treated to get initial control, followed by continuous treatment to maintain control. Apply 1.5 - 3 gallons per 3000 barrels of water [5-10 ppm ai] continuously.

For treatment of flow back return water {Post Hydraulic Fracturing}: Add 1.5 - 6 gallons per 3000 barrels of water [5-20 ppm active] for 4 to 8 hours per day, one to four times a week as needed

Oil Field Injection and Waste Water

This product must be added to the water handling system at a point of uniform mixing such as the area of addition of make up water to the holding tank.

Continuous Injection: Add 7.5 oz per 1000 gallons of water [30 ppm active] when system is noticeably fouled. When microbial control is evident, add 3.75 oz per 1000 gallons of water [15 ppm active] to maintain control.

Batch Treatment: Add 46.3 fluid ounces per 1000 gallons of water [180 ppm active] over a period of 4 - 6 hours one or more times per week when the system is noticeably fouled. When microbial control is evident, add 23 oz per 1000 gallons of water [90 ppm active] over a period of 4 - 6 hours one or more time per week.

OR

For use in oil field and/or petrochemical water subsurface injection systems of secondary and/or tertiary oil recovery systems to reduce the number of anaerobic bacteria, aerobic bacteria, sulfate-reducing bacteria. This product is to be applied at a point in the recovery system where it will be uniformly mixed, such as at the screens, storage tanks and other mixing device locations.

Dosing Conditions: This product should be applied when the system is in jeopardy of being affected.

Heavily contaminated systems must be precleaned before treatment is begun.

Slug: When the system is noticeably fouled, add 15.3 oz [60 ppm active ingredient] of this product per 1000 gallons of water in the system. Apply for 3 to 8 hours daily until control is achieved.

Subsequent Dose: When microbial control is evident, add 7.5 oz [30 ppm active ingredient] of this product per 1000 gallons of water in the system daily or as needed to maintain control.

Intermittent Feed: The frequency of intermittent doses will vary with individual systems.

Initial Dose: When the system is noticeably fouled, add 15.3 oz [60 ppm active ingredient] of this product per 1000 gallons of water in the system. Add for 3 to 8 hours daily until control is achieved. Maintenance

Dose: When control of microbial growth is evident, add 7.5 gallons [30 ppm active ingredient] per 1000 gallons of water in the system daily or as needed to maintain control.

Continuous Feed

Initial Dose: When the system is noticeably fouled, add 3.8 oz [15ppm active] of this product per 1000 gallons of water in the system.

Subsequent Dose: Maintain this treatment by starting a continuous feed of 3.8 oz [15 ppm active] of this product per 1000 gallons or water daily or as needed to maintain control.

Oil and Gas Production and Transmission Pipelines and Systems

For the control of sulfate-reducing bacteria and slime forming bacteria, this product must be added to a gas production or transmission pipeline via direct injection at a point where uniform and maximum distribution will occur.

Gas Storage Wells and Systems

Treat individual injection wells with this product to produce effective concentration of 65-1000 ppm [active]. Update treatment rate as needed. This product must be diluted by the water present in the formation. Injection may be repeated yearly or as needed to maintain control.

Pipeline Pigging and Scraping Operations

Add this product to slug of water immediately following the scraper [keep the water volume to a minimum and contained between the scraper and the following pig]. Add an effective concentration to produce 75 - 500 ppm depending on the length of the pipeline and the severity of the biofouling.

Drilling, Completion and Workover Fluids Systems

Add this product to the fluid system at a point of uniform mixing such as circulating mud tank.

Initial Dose: Add 65- 1000 ppm [active] of this product to a freshly prepared fluid.

Maintenance Dose: Add 65— 1000 ppm of this product to maintain control.

Packer Fluids

Add to a packer fluid at a point of uniform mixing such as a circulating holding tank at a rate of 65 — 1000 ppm [active per 100 barrels of fluid] to a freshly prepared fluid depending on the severity of contamination. Seal the fresh packer fluid in the wall between the casing and the production tube.

Hydrotesting

Treat water used to hydrotest pipelines or vessels at 65 — 1000 ppm active depending on the water quality and length of time the equipment will remain idle. This product may be diluted 1:4 with water and/or methanol before application. If diluted, use 4 times the dose rates listed above to achieve the ppm active concentrations listed.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

{PESTICIDE} STORAGE: Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

(Note to Reviewer: *One or more of the following paragraphs for Container Handling will be selected, depending on packaging use/type.*)

{For non-refillable containers equal to or less than 5 gal.}

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container {(or equivalent)} promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

{For non-refillable containers greater than 5 gal.}

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container {(or equivalent)} promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Keep away from heat and open flame.

{UN number}

{Proper shipping name}

{GHS hazard diamond graphics}

{Note to Reviewer: *{ } brackets indicate optional items and text; [] brackets indicate a selection from the text within will be made}*